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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,624	02/22/2002	Takashi Ishizaka	02-189	4454

7590 07/30/2004

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EXAMINER

FERNANDES, CHERYL M

ART UNIT PAPER NUMBER

2171

DATE MAILED: 07/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

10/082,624

Applicant(s)

ISHIZAKA ET AL.



Examiner

Cheryl M Fernandes

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 May 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 2, 3, 7, and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
2. Referring to claim 2, the claim recites an external data taking-in means containing "identification information on the managed object". However, it is unclear as to which one of the multiple managed objects the claim refers to.
3. Claim 7 recites the limitation "each ID" in lines 2-3 of the claim, wherein a "data storage means in which plural kinds of customer data identifiable by each ID are distributively stored". There is insufficient antecedent basis for "each ID" in the claim.

Claims 3 and 8, depending from claims 2 and 7 respectively, inherit the aforementioned deficiencies and are hereby rejected.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under

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the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent Number 6,615,258 B1 issued to Barry et al (hereafter Barry).

5. Referring to claims 1, 9, and 10, Barry discloses:

A data management system, method and program ('Intranet/Internet/web-based data management system', Abstract; col. 3, lines 22-31; col. 4, lines 21-29; 'WWW/Internet Reporting system (WWS)', col. 21, lines 25-49 (Fig. 10, element 200); 'object oriented software architecture', col. 6, line 34- col. 7, line 35; Fig. 1-2) comprising:

- acceptance means for accepting various retrieval conditions ('report requests', col. 21, lines 25-30; 'metadata requests', col. 25, line 66- col. 26, line 36; col. 32, lines 11-25; creation of 'service requests' or 'trouble tickets', col. 35, lines 1-9; 'Query button' (Fig. 16c, element 2452), col. 37, lines 46-65; col. 38, lines 13-35; col. 44, lines 59-65; col. 46, lines 36-38) for data storage means in which data belonging to any of multiple managed objects are stored ('data storage system', summary, lines 42-53; col. 9, lines 23-28; col. 22, lines 33-37 (Fig. 10, element 258); 'database tables', col. 49, lines 45-55; 'enterprise' and 'customer' objects, see Fig. 14, col. 16, line 23-60) ;
- retrieval means for retrieving data adapted to each of the accepted retrieval conditions from the data storage means (col. 17, lines 12-22 (Fig. 14); 'Report Manager (RM)', col. 21, line 50- col. 22, line 12;

'Report Requestor', col. 23, lines 51-56; col. 25, lines 57-65; 'Trouble Ticketing application server', col. 35, lines 10-20, Fig. 2, element 36) and specifying a managed object to which the retrieved data belong (col. 38, lines 61-66, Fig. 16g; col. 46, lines 36-41; col. 47, lines 17-37, Fig. 19b¹, Fig. 20²); and

- holding means for holding identification information ('Inbox server database' (Fig. 10, element 273), col. 23, lines 5-18; 'column descriptive information', col. 24, lines 36-47; 'ticket information', col. 39, lines 30-52) for identifying the managed object specified by said retrieval means (col. 39, lines 30-52) as part of a collection of retrieval results collected for each retrieval condition (col. 23, lines 5-18; 'result set', col. 24, lines 36-47; col. 38, lines 36-57; 'saved queries', col. 39, lines 5-29), wherein the collection held in said holding means is set as a target of retrieval instead of said data storage means (col. 25, lines 1-22³; col. 32, lines 3-25⁴; col. 34, lines 48-67; col. 39, lines 5-29).

6. Referring to claim 2, Barry discloses an external data taking-in means for taking in data created in an external system ('Report Viewer (GUI Applet)', Fig. 10, element 215, col. 24, lines 1-35; col. 30, lines 25-59) and containing identification information on the managed object ('CorpID', 'BillPayer ID',

¹ For each report document retrieved, an Invoice number and BillPayer ID is displayed specifying the customer that each report refers to.

² A report is retrieved that specifies company information and a customer number.

³ When a user selects an existing report stored in inventory, the report is accessing the collection of previously stored report results and is thereby a target of retrieval instead of the

⁴ Customers can retrieve stored previously completed reports from the Inbox server component.

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Fig. 19b⁵; 'subscribing customer selection table', col. 30, lines 38-52; 'customer ID', col. 30, line 60-col. 31, line 36) to add the identification information contained in the taken-in data as part of a corresponding collection (col. 25, lines 1-29⁶; 'add report definition /acknowledgement (ARD/ARDA)', col. 26, lines 16-18; col. 32, lines 11-25).

7. Referring to claim 3, Barry discloses that the external data taking-in means is configured to take in the data created in the external system in the form of a list for each managed object to add the identification information to the collection on a list basis (col. 24, lines 36-47).

8. Referring to claim 4, Barry discloses computation means for performing a logical operation between two or more collections to create a new collection so as to make said holding means hold the newly created collection (Fig. 19b). Examiner asserts that in specifying a range of pages to retrieve from the collection of invoice reports, logical operations are performed.

9. Referring to claim 5, Barry discloses temporary storage means for temporarily storing the collections before held therein, such that the computational means performs the logical operation between collections stored in said temporary storage means while storing the new collection in said temporary storage means (col. 23, lines 6-18).

⁵ 'Invoice report data' viewed by the Report Viewer includes 'CorpID' and 'BillPayer.ID' (Fig. 19b).

⁶ Determination is made as to whether or not an existing report is selected. If an existing report is not selected, the user is presented with the option of creating a new query, the results of which as mentioned before will be added to the collection when the report is completed.

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10. Referring to claim 6, Barry discloses modification means for modifying the collections stored in said temporary storage means ('maintaining of completed report data', col. 23, lines 6-18; 'report edit option', col. 25, lines 1-29).

11. Referring to claim 7, Barry discloses a data management system ('Intranet/Internet/web—based data management system', Abstract; col. 3, lines 22-31; col. 4, lines 21-29) comprising:

- acceptance means for accepting various retrieval conditions ('report requests', col. 21, lines 25-30; 'metadata requests', col. 25, line 66- col. 26, line 36; col. 32, lines 11-25; creation of 'service requests' or 'trouble tickets', col. 35, lines 1-9; 'Query button' (Fig. 16c, element 2452), col. 37, lines 46-65; col. 38, lines 13-35; col. 44, lines 59-65; col. 46, lines 36-38) for a plurality of data storage means in which plural kinds of customer data (col. 9, lines 23-28) identifiable by each ID are distributively stored ('user id', col. 16, line 33- col. 17, line 22, Fig. 14);
- retrieval means for retrieving data adapted to each of the accepted retrieval conditions from any one of said data storage means (col. 17, lines 12-22 (Fig. 14); 'Report Manager (RM)', col. 21, line 50- col. 22, line 12; 'Report Requestor', col. 23, lines 51-56; col. 25, lines 57-65; 'Trouble Ticketing application server', col. 35, lines 10-20, Fig. 2, element 36) and specifying a customer ID of the data retrieved (col. 46, lines 36-60, Fig. 19a; Fig. 20⁷);

⁷ A report is retrieved that specifies a customer number.

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- holding means for holding the ID specified by said retrieval means ('Inbox server database' (Fig. 10, element 273), col. 23, lines 5-18) as part of a collection of retrieval results collected for each retrieval condition (col. 23, lines 5-18; 'result set', col. 24, lines 36-47; col. 38, lines 36-57; 'saved queries', col. 39, lines 5-29); and
- means for taking in customer-related data created in an external system ('Report Viewer (GUI Applet)', Fig. 10, element 215, col. 24, lines 1-35; 'first data feed' taken into mainframe server', col. 30, lines 25-59) and containing the ID ('Operational Datastore Components', 'Datamarts', col. 30, line 60-col. 31, line 36⁸) to add the ID contained in the taken-in data as part of the collection held in said holding means (col. 32, lines 11-25), wherein the collection held in said holding means is set as a target of retrieval instead of said plurality of data storage means (col. 32, lines 3-25⁹; col. 34, lines 48-67).

12. Referring to claim 8, Barry discloses computation means for performing a logical operation between two or more collections to create a new collection so as to make said holding means hold the newly created collection (Refer to discussion of claim 4 above).

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

⁸ The ODS contains Datamarts which contain report aggregates and are partitioned by customer ID partitioning schemes.

⁹ Customers can retrieve stored previously completed reports from the Inbox server component.

The following patents or publications are cited with respect to view generation of a result set extracted from a database by a query:


- US Patent 5,737,591 issued to Kaplan et al.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl M Fernandes whose telephone number is (703) 305-3917. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (703) 308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 22, 2004
CMF


WAYNE AMSBURY
PRIMARY PATENT EXAMINER